



Science
5th primary

Questions

Unit (1)

(1) Complete the following:-

1. The material in which light can easily transmit through is called ....

2. The change in the direction of light rays when they pass through the separating surface between 2 transparent media is called …………………

3. The prism separates sunlight into …………………

4. Transparent colored object have the same color of light which ....

5. The opaque colored object seems having the same color of light which……………………..

6. If the red light strikes a white ball it looks in ………………… color.

7. Red light + green light + blue light = …………………

8. …………………, ………………… & ………………… are primary color.

9. A magnet poles that always refers to the north direction is called ....

10. The basic idea of the electric generator is the changing of…………… into …………………

11. When you move a coil between 2 poles of magnet , ………………… is generated in the coil.

12. The electric current produced by the electric generator increases when ………………… or ………………… get increased.

13. The apparatus that converts kinetic energy into electric energy is called the ………………………………

14. Like poles ………………… whereas dislike poles …………………

15. Electromagnet consists of …………………, ………………… & …………………

16. The magnetic force is most powerful at the ………………… of the magnet.

17. The ………………… contains a small light magnet moves freely around a fixed axis.

(2) Put (√) or (×) & correct the wrong word:-

1. Light is a form of energy. (   )
2. A rainbow is formed when the sun separates the moonlight. (   )
3. Light transmits in straight lines. (   )
4. Object shadow is formed because light travels in curved lines. (   )
5. Transparent objects have the same color of light that doesn't travel through. (   )
6. Opaque object have the same color of light which the object reflects. (   )
7. The moon seems luminous because it reflects the sunlight. (   )
8. The picture formed in the mirror is inverted. (   )
9. When the white light strikes a red rose, it reflect the white color. (   )
10. An object seems white since it reflects all the color which the white light is made up of. (   )



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11. If you look at yellow banana through a green glass sheet, it seems black. (   )

12. Yellow, Purple & light blue are primary colors. (   )

13. Red, green & blue are primary colors. (   )

14. Mixing red, green & blue colors produces the white light. (   )

15. The natural magnet is one of the iron ores (magnetite). (   )

16. The magnetic field is the space surrounding the magnet where the magnetic force appears. (   )

17. Like poles repel & dislike poles attract. (   )

18. Aluminum gets attracted to the magnet. (   )

19. The electromagnet consists of an iron bar & a coil. (   )

20. The deflection of the ammeters pointer increases by increasing the

21. Magnetism is always related with electricity. (   )

22. An electric current can be generated by using a magnet. (   )

speed of the motion of the coil. (   )

23. An electromagnet is formed when an electric current passes through a compass twisted around wrought iron. (   )

(3) Choose the correct answer:

1. Light transmits in ……………. Lines.

a) curved b) broken c) straight

2. Red, green & blue lights are ……………….light colors.

a) primary b) secondary c) complementary



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3. Like poles ………. While dislike poles attract.

a) repel b) dislike c) attract

4. When a magnet is hanged freely, its north pole refers towards the …

a) north b) south c) east

5.The ……….. is the space surrounding a magnet in which the magnetic force appears.

a) poles b) magnetic field c) compass

6. The magnetic force is most powerful at the ……………

a) magnetic field b) poles c) motor

7. The ………has a small light magnet moves freely around a fixed axis.

a) motor b) electric generator c) compass

8. When an electric current travels through a wire twisted around an iron nail. The nail becomes an …………………..

a) electromagnet b) electric generator c) compass

9. A set that changes the mechanical energy into electrical one is known as a ……………

a) electric generator b) compass c) electro magnet

10. The dynamo changes …………….
a) The electric energy into mechanical
b) The mechanical into electric one
c) The mechanical into thermal

11. The coil of dynamo is made up of ……………..

a) copper b) carbon c)Aluminum






12. The dynamo generates …………. energy from mechanical energy.

a) thermal b) electrical c) light

13. The dynamo is fixed in the bicycle touching the bicycle …………..

a) seat b) pedal c) tire

(4) Give reason for:

1- Glass is a transparent material.

……………………………………………………………………………………………………

2- Carton paper is an opaque material.

……………………………………………………………………………………………………

3. Rainbow can be seen after heavy rain falling.

……………………………………………………………………………………………………

4- Green color is considered primary light color.

……………………………………………………………………………………………………

5-Cyan and magenta are considerd secondary light colors

……………………………………………………………………………………………………

6. White light can be separated.

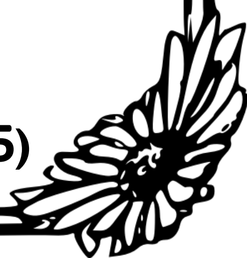
……………………………………………………………………………………………………

7- pencil seems broken when it placed in acup of water.

……………………………………………………………………………………………………

8- when you look at mirror you see your image

……………………………………………………………………………………………………







9. Some materials are magnetic.

……………………………………………………………………………………………………

10. Dynamo can change mechanical energy into electric one.

……………………………………………………………………………………………………

(5) Write the scientific term:

1. Darkened area formed behind an object once light falls on it.

(…………………………)

2. The light energy that can be seen. (…………………………)

3. The material which you can see object clearly behind in full details.

(…………………………)

4. The seven color of light which sunlight is made up of. (…………………………)

5. The color we get by mixing two colors of the primary color.

(…………………………)

6. Reflection of light on the surface of white paper in different direction.

(…………………………)

7. The material that don't allow light to transmits through & objects can't be seen behind. (…………………………)

8. A material gets attracted to the magnet. (…………………………)

9. The space around a magnet in which the magnetic force appears.

(…………………………)

10. The area of the magnet where the magnetic force is most powerful.

(…………………………)






11. A tool that is used for locating the main geographic direction.

(……………………………)

12. The material that don't get attracted to the magnet. (……………………………)

(6)What is the difference between:

1. The transparent and opaque material.
2. The primary and secondary colors.
3. The magnetic and non – magnetic materials.

(7) Mention the function of:

1. Electromagnet
2. Compass
3. Prism





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Model Answer

Unit (1)

1- Complete the following:-

1. Transparent
2. Light refraction
3. Seven spectrum colors
4. Transmit through it
5. reflected
6. Red
7. White light
8. Red, blue and green
9. north pole
10. Kinetic energy – electric energy
11. Electricity
12. coil turns, motion.
13. Electric generator (dynamo)
14. Repel – attract
15. Copper wire, bar of soft (wrought) iron and battery
16. Two poles
17. Compass

2)Put (√) or (×) & correct the wrong word:-

1. (√)
2. (×) the rain drops separate the sunlight
3. (√)
4. (×) in straight lines
5. (×) that transmit
6. (√)
7. (√)



8. (×) up right

9. (×) it reflects the red color

10. (√)

11. (√)

12. (×) secondary colors

13. (√)

14. (√)

15. (√)

16. (√)

17. (√)

18. (×) (iron or nick / or steel or cobalt)

19. (×) and source of electricity (battery)

20. (√)

21. (√)

22. (√)

23. (×) through a copper coil

3) Choose the correct answer:

1.staight

2. primary colors

3. repel

4. north

5. magnetic field





6. poles
7. compass
8. electro magnet
9. electric generator
10. The mechanical into electric one
11. copper
12. electrical
13. tire

4) Give reason for:

1. Because it allows most light to pass through it.
2. Because it does not allow light to pass
3. Due to light separation where the rain drops separate sun light.
4. Because I impossible to be produced by mixing 2 light colors.
5. Because it can be produced by mixing 2 primary light colors
6. Because it consists of 7 spectrum colors.
7-Duo to light refraction
8-Duo to regular reflection of light
9. Because they get attracted to the magnet.
10. Because the movement of the copper coil between 2 poles of magnet generates electricity.

5)Write the scientific term:

1. shadow
2. Visible spectrum
3. transparent
4. 7 spectrum colors
5. Secondary colors
6. Irregular reflection





7. opaque
8. Primary lights
9. Magnetic field
10. 2 Magnetic poles
11. Compass
12.Non- Magnetic material

(6)What is the difference between:

1. Transparent material: materials that allow light to pass through & object behind can be seen clearly.

* Opaque is materials that don't allow light to pass through it & object behind can't be seen.

2. Primary colors are colors which can't be produced by mixing 2 other color as [red, green & blue].

* Secondary colors are light colors which can be produced by mixing 2 of primary colors as cyan, yellow, magenta.

3. Magnetic materials get attracted to the magnet

*non-magnetic material: don't get attract to the magnet.

7) Mention the function of:

1. Used in mixer, electric bell, disc drive, television and cranes
2. To determine the 4 main geographical direction
3. Separate the white light into 7 spectrum colors

good luck